Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	05/12/2020 09:37 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124766	-1	2.28	124859	2.29
Blue	F	SSC	125000	124523	-1	2.12	125225	2.12
Blue	E	FITC	15892	15503	-3	2.86	338	20.56
Blue	D	PE	29999	29507	-2	2.06	642	14.76
Blue	B	PerCP-Cy5-5	43732	43408	-1	3.79	1164	20.27
Blue	A	PE-Cy7	30845	30607	-1	5.98	583	41.22
Red	C	APC	46112	45182	-3	2.52	1594	12.26
Red	A	APC-Cy7	30458	29519	-4	2.40	787	11.97
Violet	B	V450	7918	7548	-5	4.23	437	12.67
Violet	A	V500	32171	30442	-6	4.12	714	10.28

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17218	10.26	627	6	N/A	N/A	Pass
Blue	F	SSC	57468	1.58	568	9	N/A	N/A	Pass
Blue	E	FITC	61	65.51	546	3	0.0188	123	Pass
Blue	D	PE	135	49.94	552	4	0.1655	281	Pass
Blue	B	PerCP-Cy5-5	214	50.07	658	2	0.0092	72	Pass
Blue	A	PE-Cy7	109	100.12	700	2	0.0106	11	Pass
Red	C	APC	381	24.71	587	3	0.0233	63	Pass
Red	A	APC-Cy7	174	29.05	557	1	0.0056	1143	Pass
Violet	B	V450	66	56.16	458	0	0.0512	1818	Pass
Violet	A	V500	106	32.48	473	-1	0.0240	630	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.92	-32.57	1.01
Blue	20.35	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.42
Red	16.86	13.60 - 20.40	N/A	N/A	29.98	30.42	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 9890

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments